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APPLICANT(S): Stanley T. Birchfield and Daniel K. Gillmor

APPLICATION NO.: 09/922,370

FILING DATE: August 2, 2001

TITLE: Acoustic Source Localization System and Method

EXAMINER: Not yet known

GROUP ART UNIT: 2862

ATTY. DKT. NO.: 21938-05581

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Dated: August 5, 2002

By:

Edward A. Van Gieson, Reg. No.: 44,386

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LETTER TO THE CHIEF DRAFTSPERSON

SIR:

In regard to the above-entitled patent application, please substitute the enclosed 14 sheets of formal drawings containing Figures 1-8 for the 14 sheets of drawings containing Figures 1-8 previously submitted.

Respectfully submitted,
STANLEY T. BIRCHFIELD AND DANIEL K.
GILLMOR

Dated: August 5, 2002

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PTO/SB/21 (modified)

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Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

TRANSMITTAL FORM (to be used for all correspondence during pendency of filed application)	0001/PTO Rev. 10/95	U.S. Department of Commerce Patent and Trademark Office	Application Number	09/922,370
			Filing Date	August 2, 2001
			First Named Inventor	Stanley T. Birchfield
			Group Art Unit Number	2862
			Examiner Name	Not yet known
Total Number of Pages in This Submission		16	Attorney Docket Number	21938-05581

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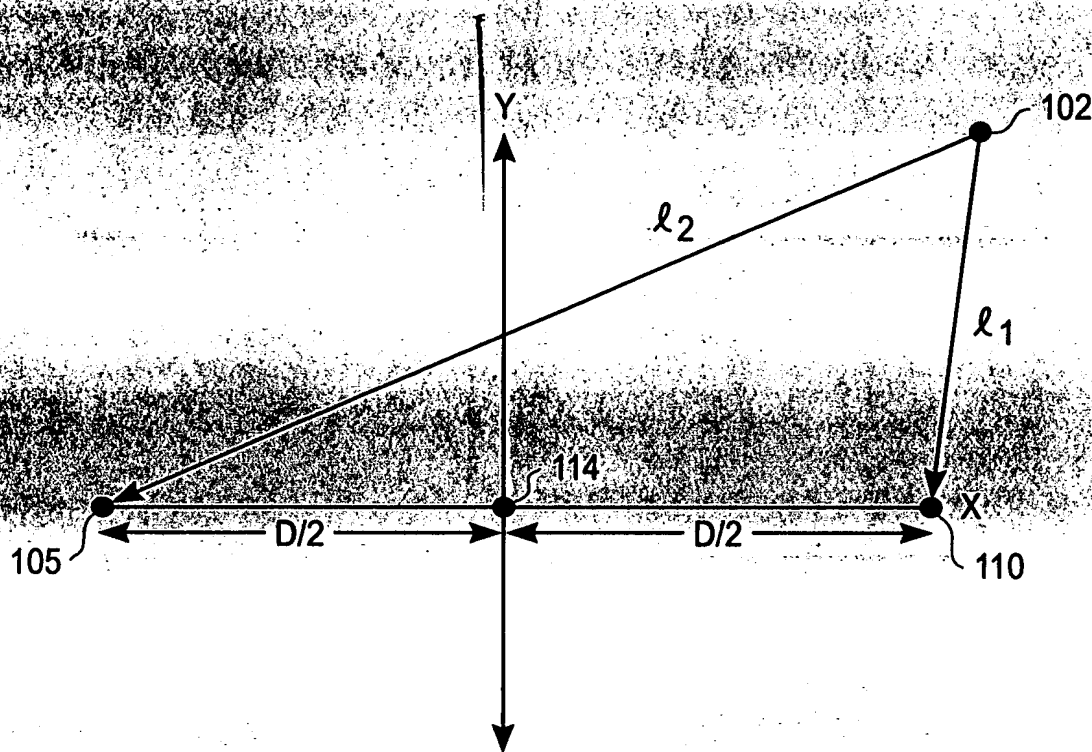


FIG. 1A (PRIOR ART)



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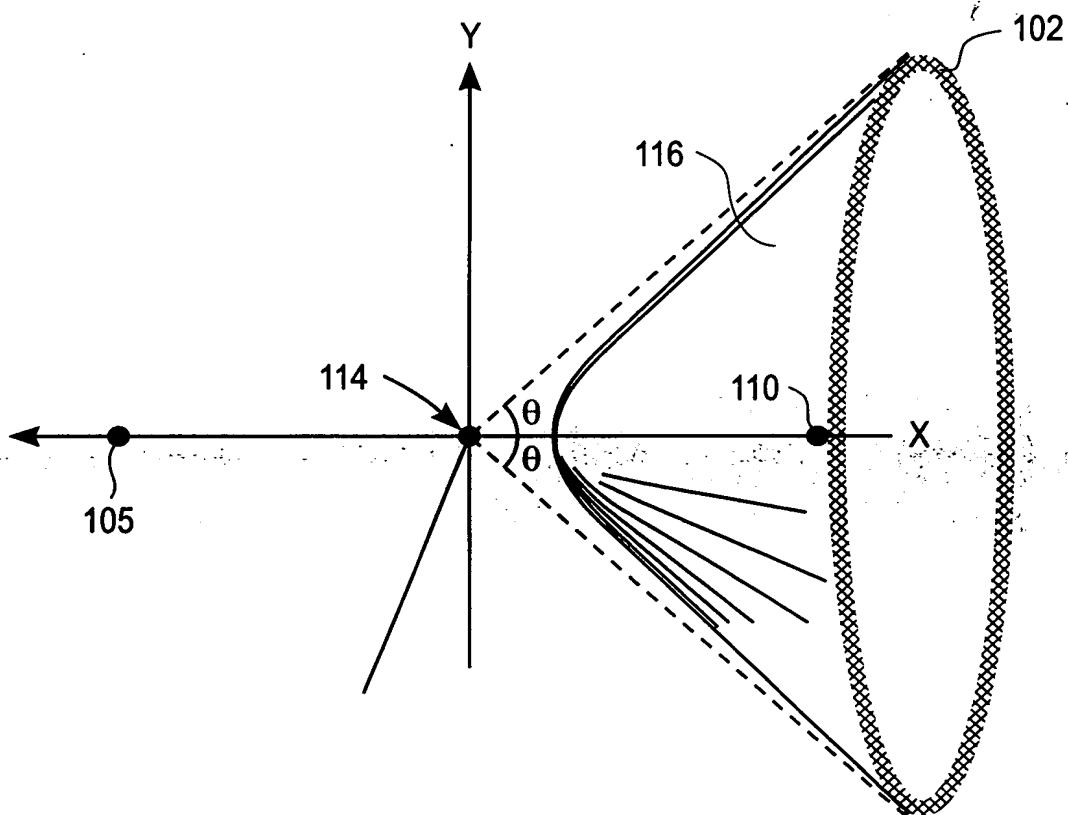


FIG. 1B (PRIOR ART)

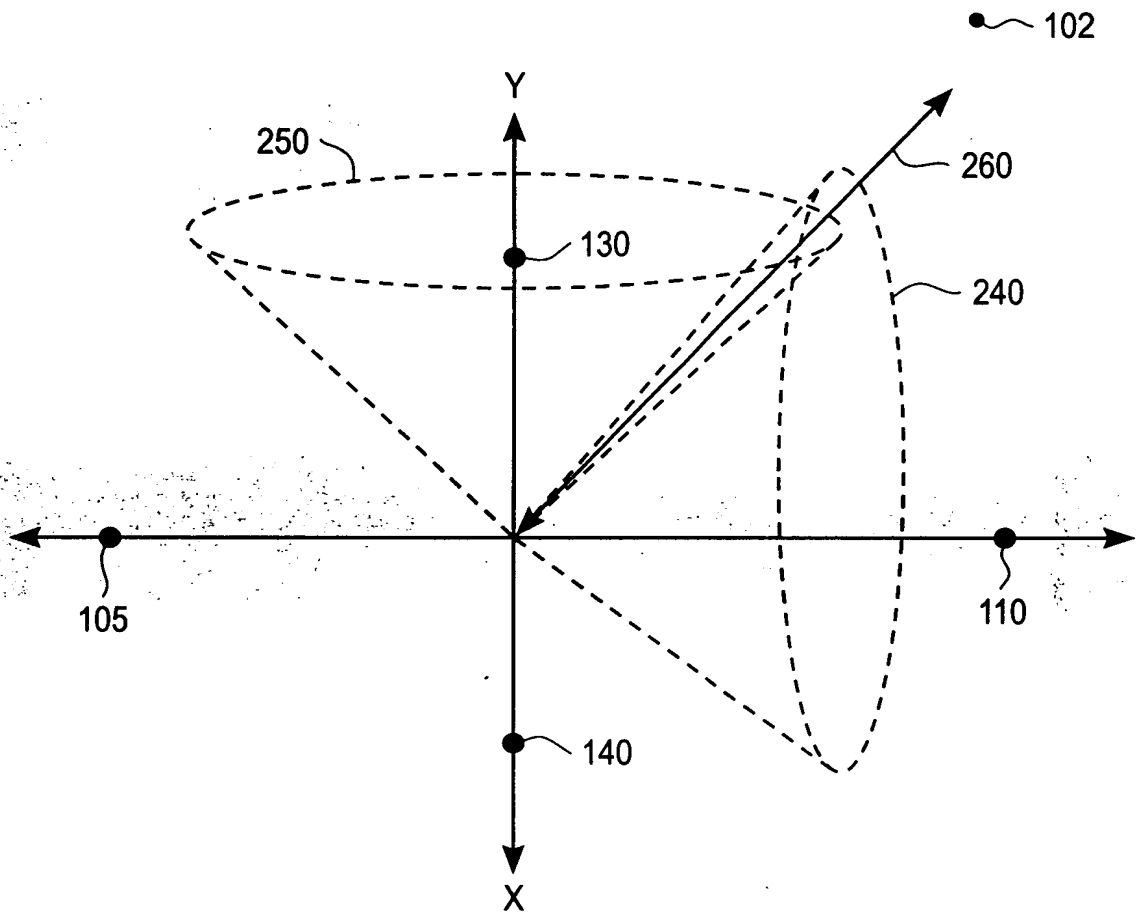


FIG. 2 (PRIOR ART)





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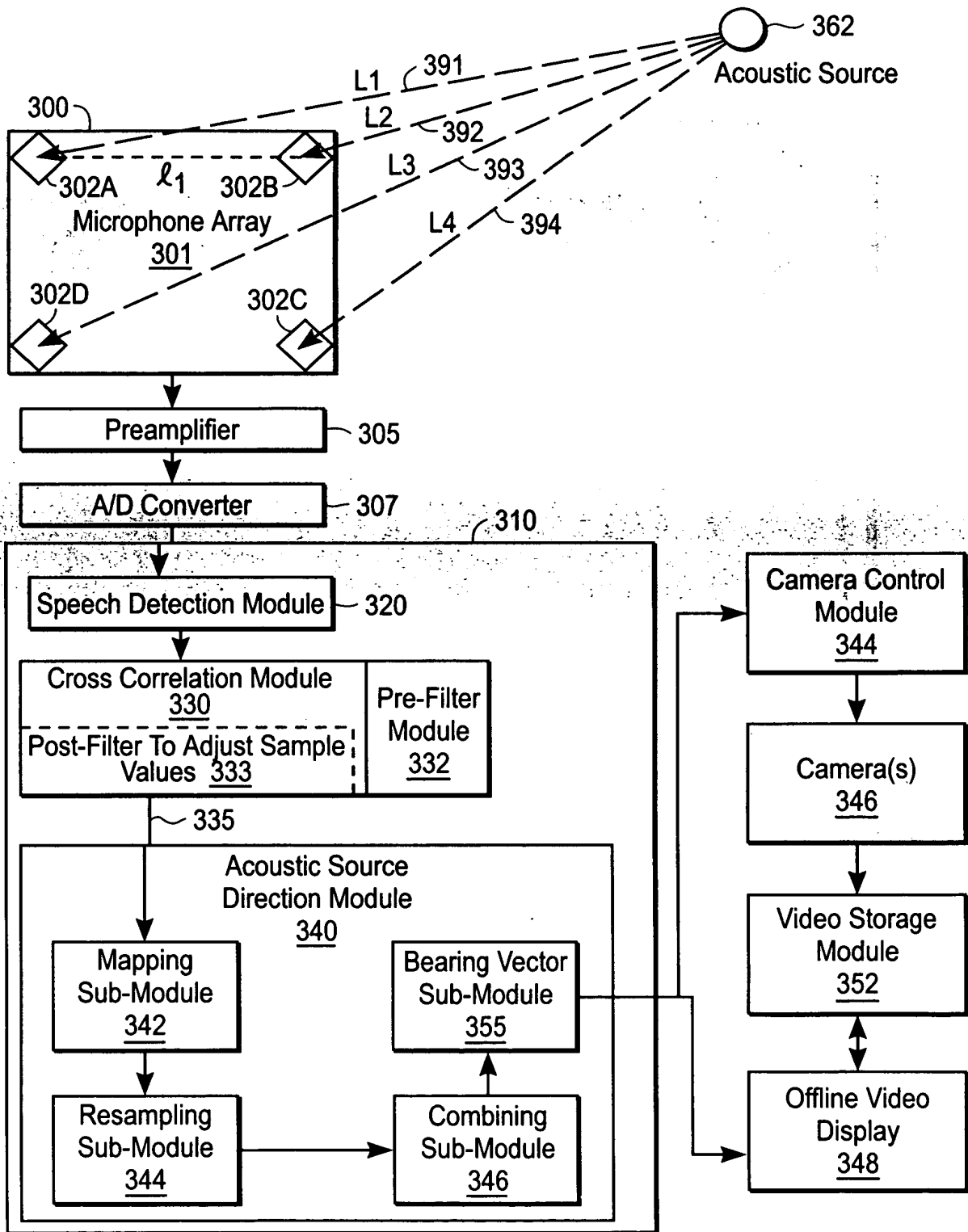


FIG. 3

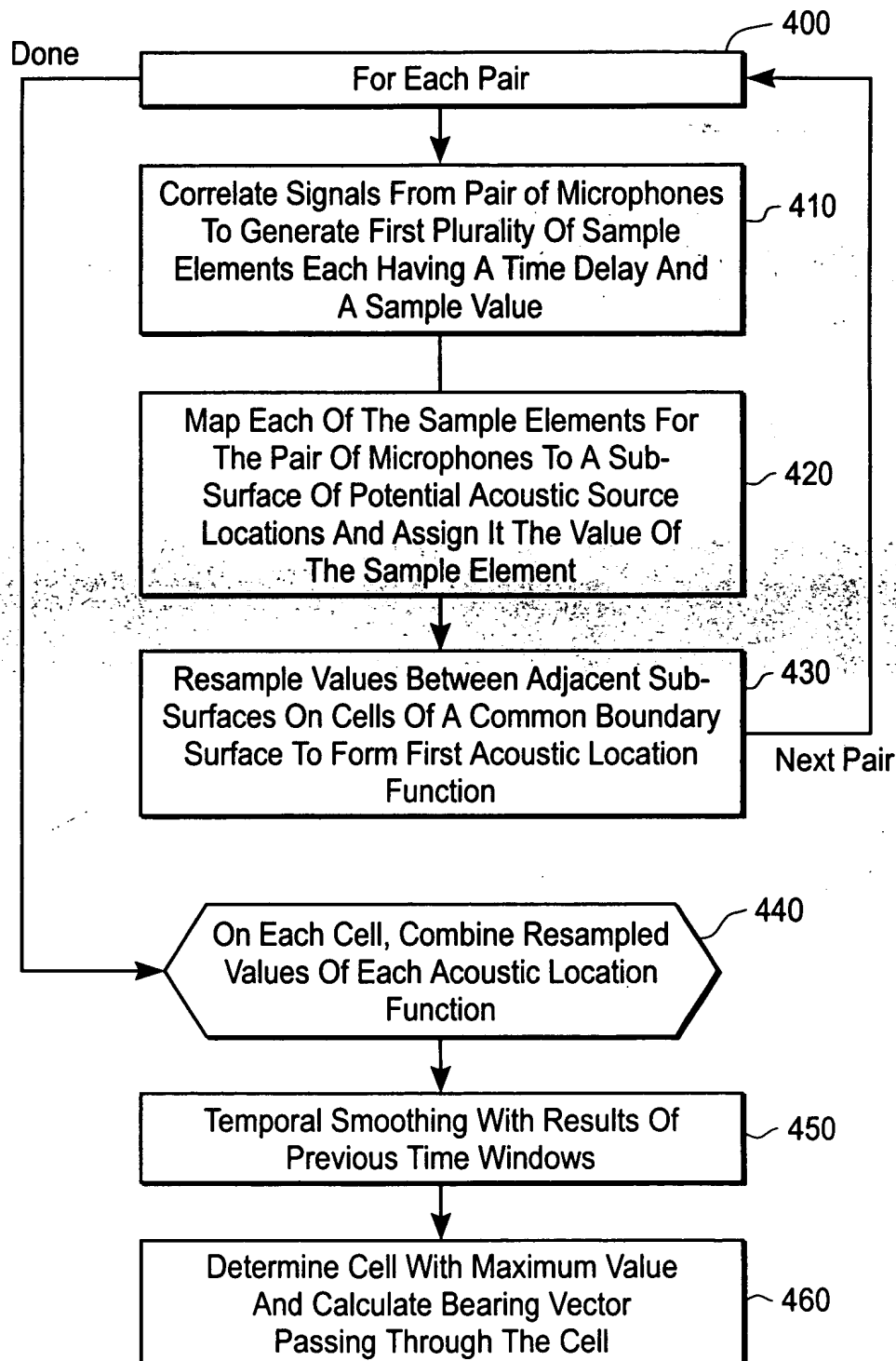


FIG. 4



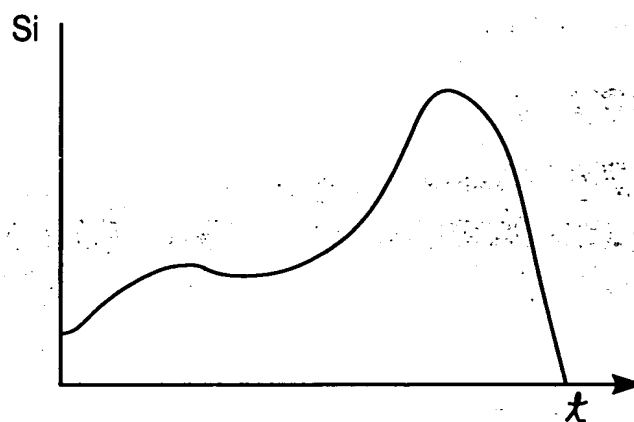


FIG. 5A

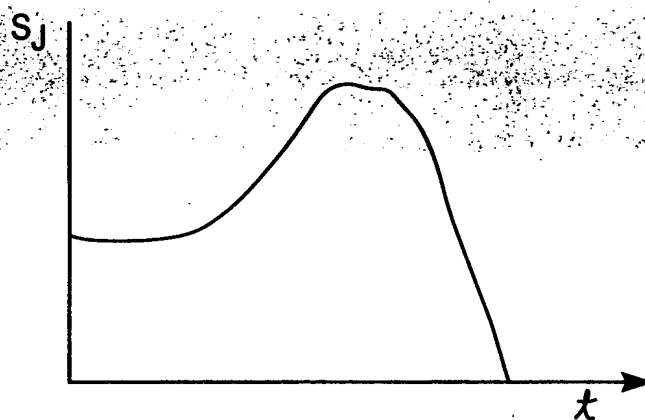


FIG. 5B

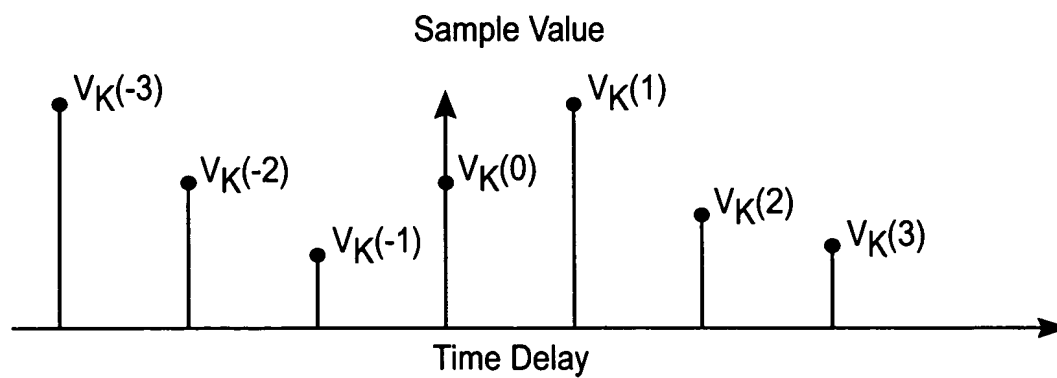


FIG. 5C



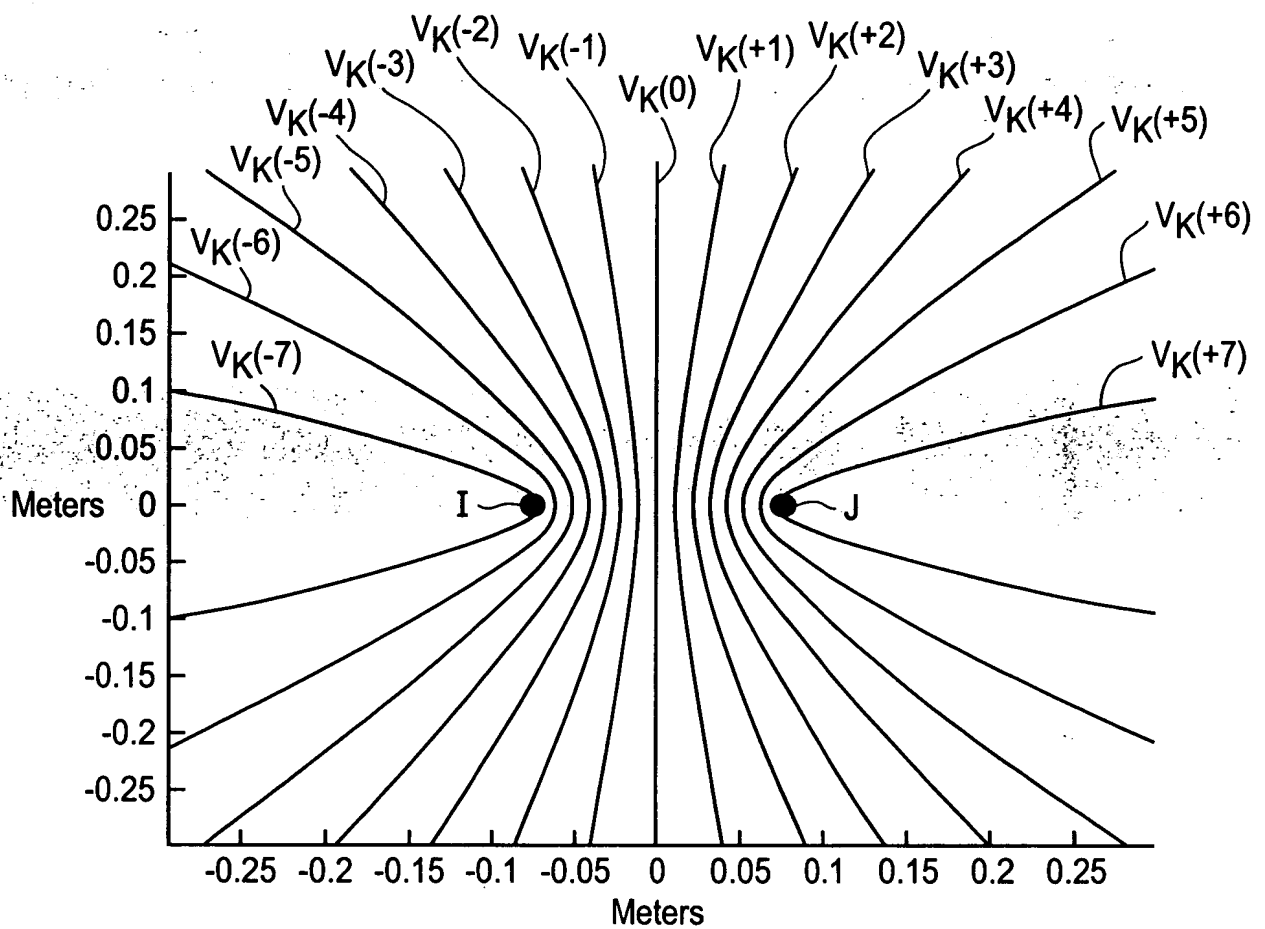


FIG. 5D



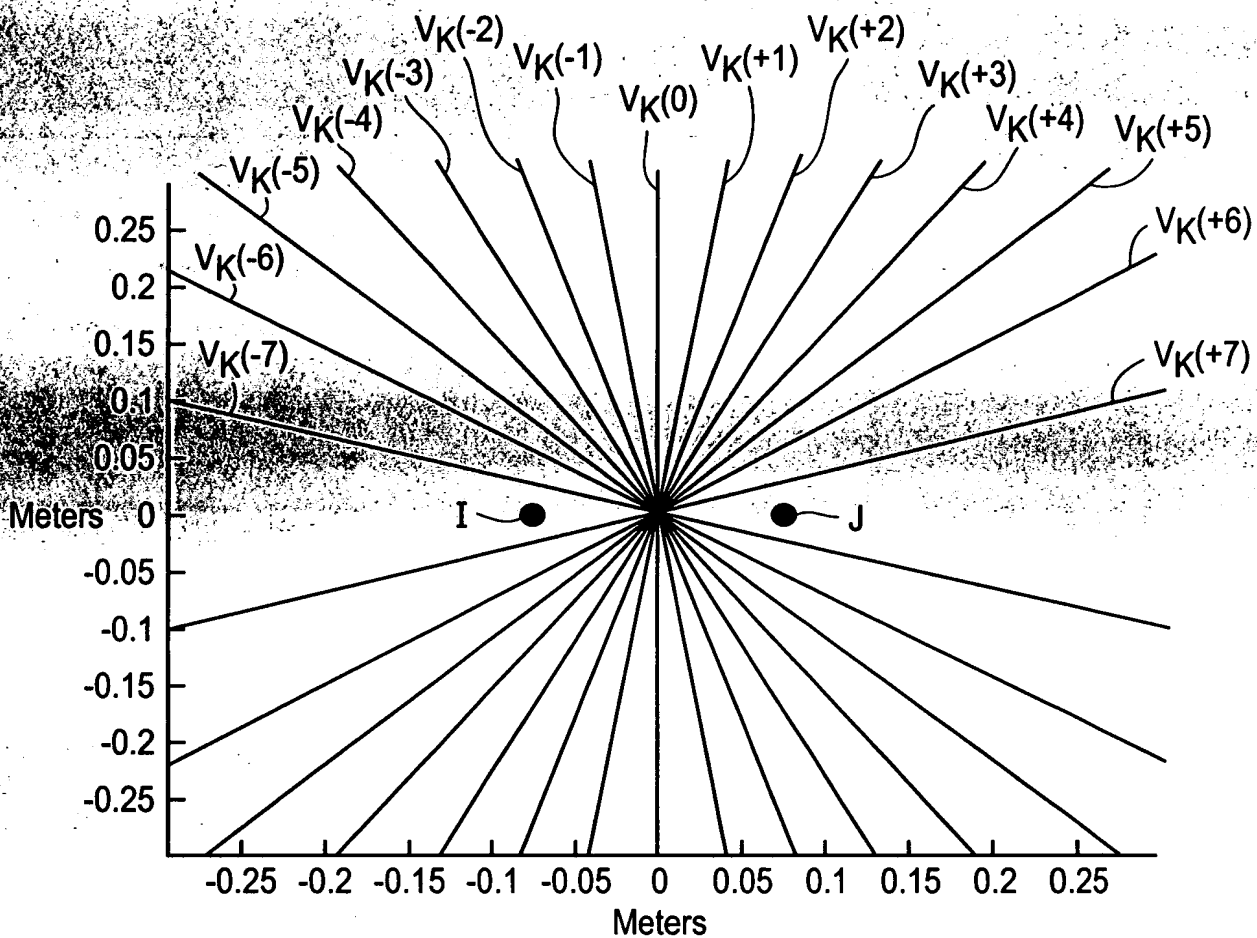


FIG. 5E



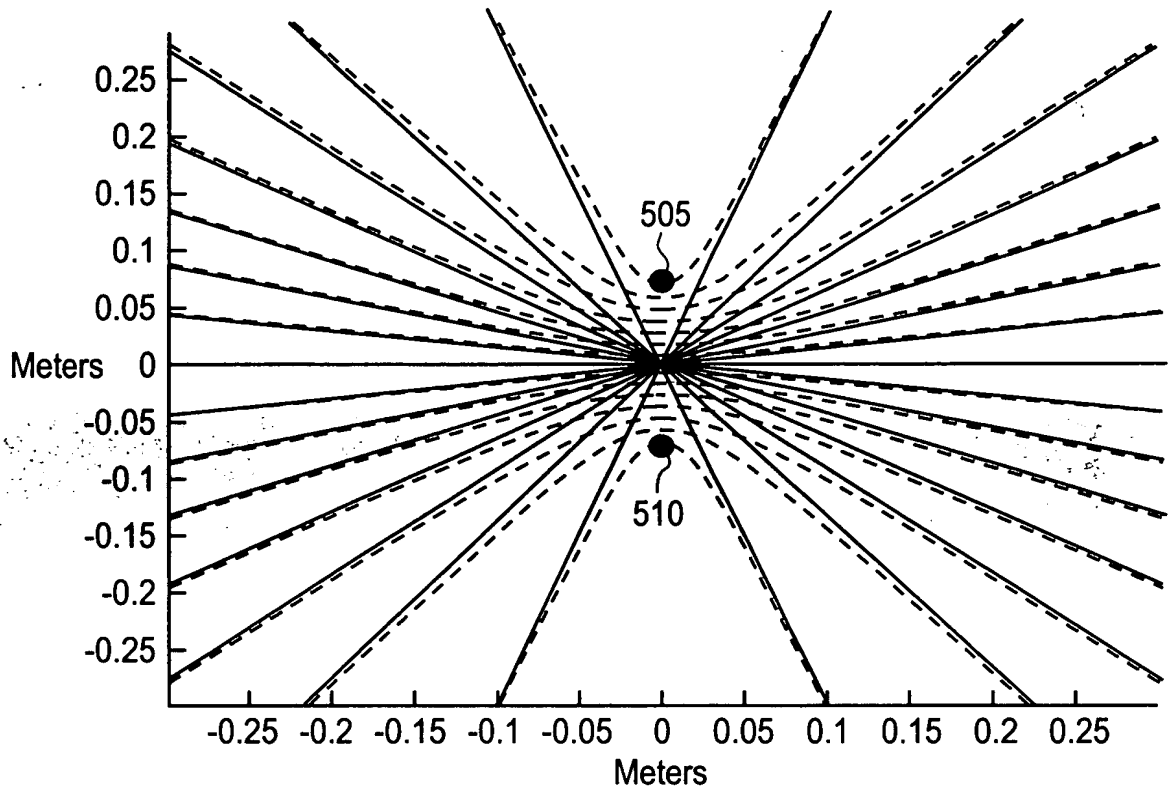


FIG. 5F



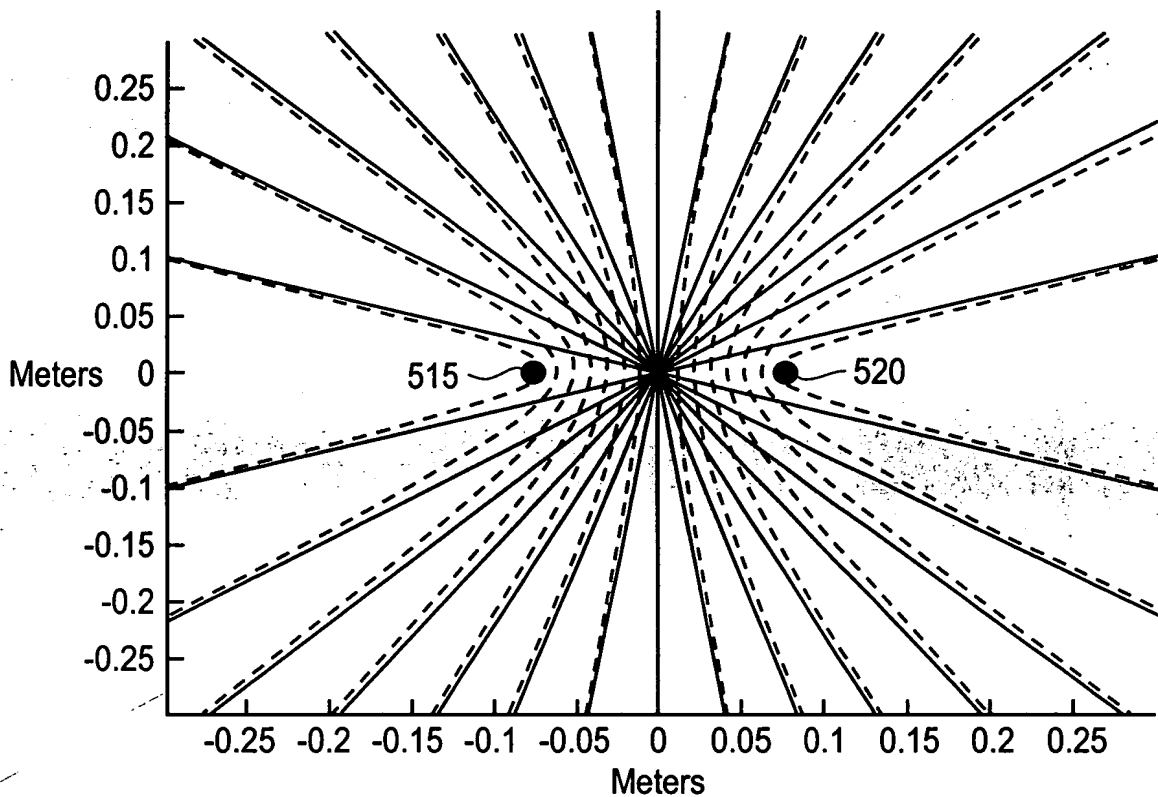
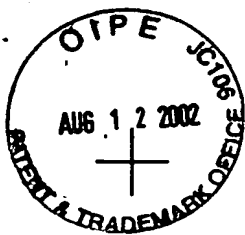


FIG. 5G



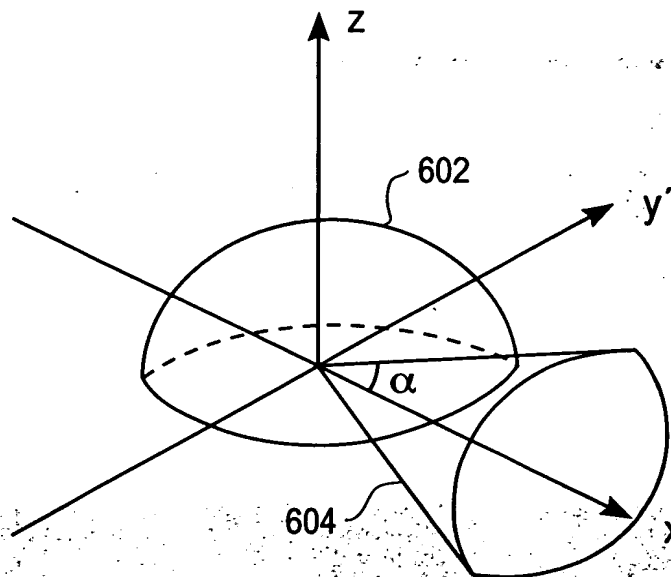


FIG. 6A

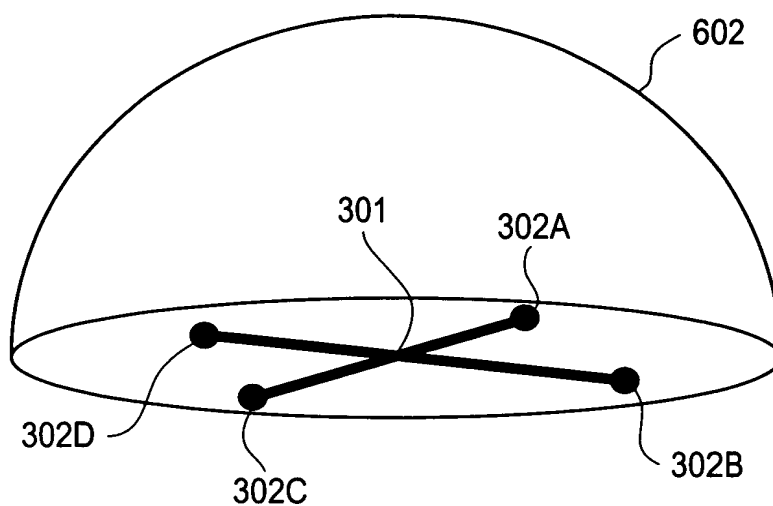


FIG. 6B



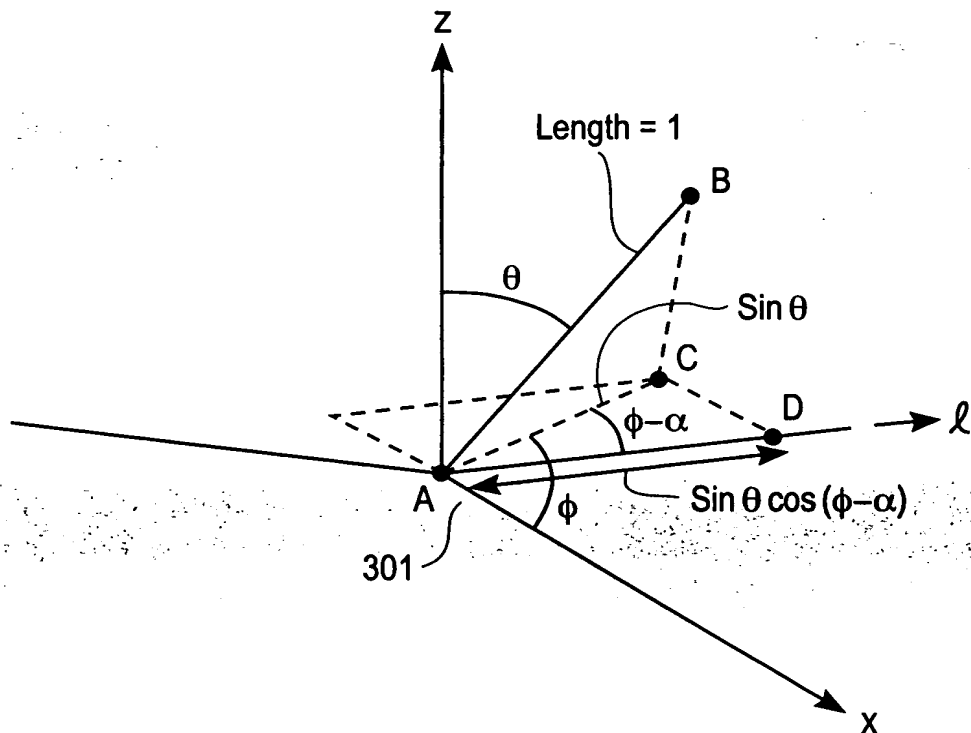


FIG. 6C

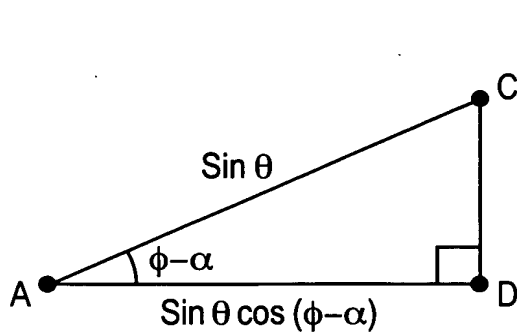
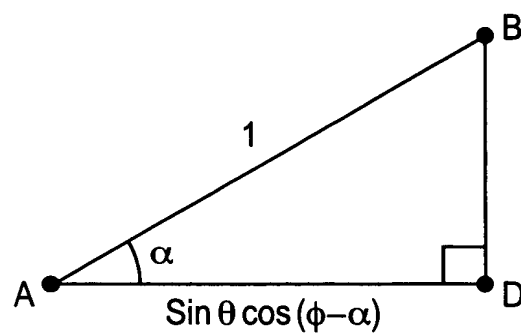


FIG. 6D



$\rightarrow \cos \alpha = \sin \theta \cos (\phi - \alpha)$

FIG. 6E



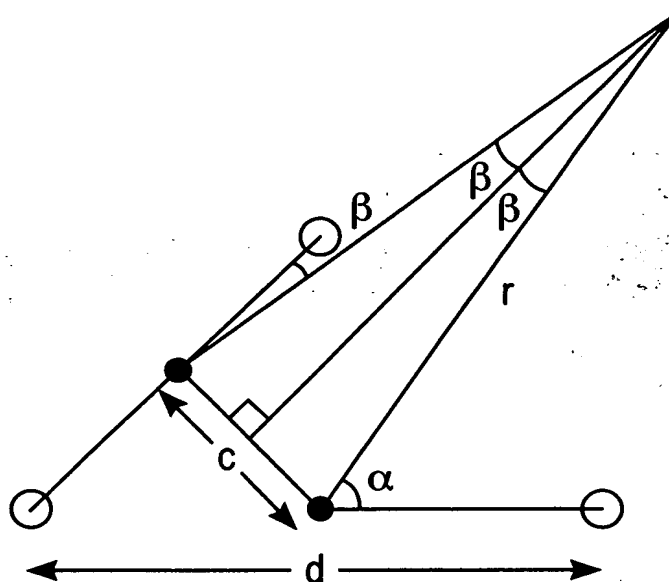


FIG. 7A

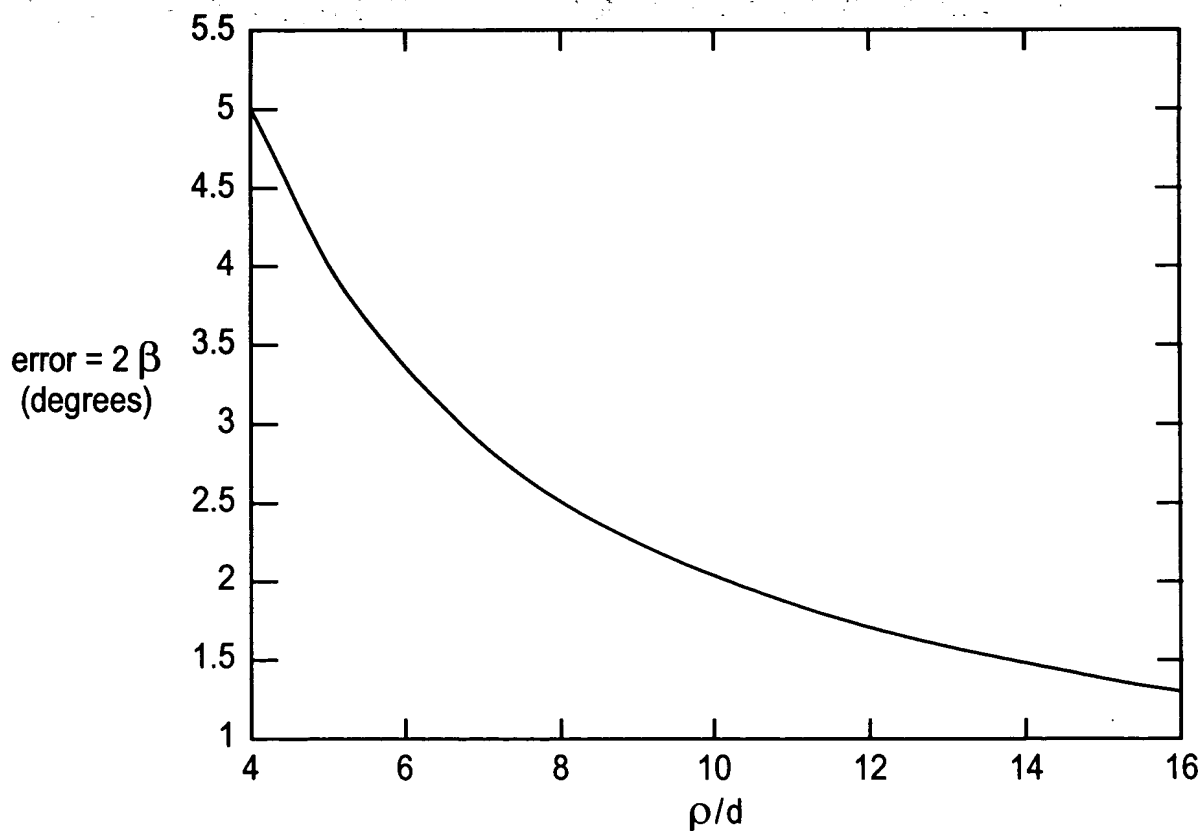


FIG. 7B



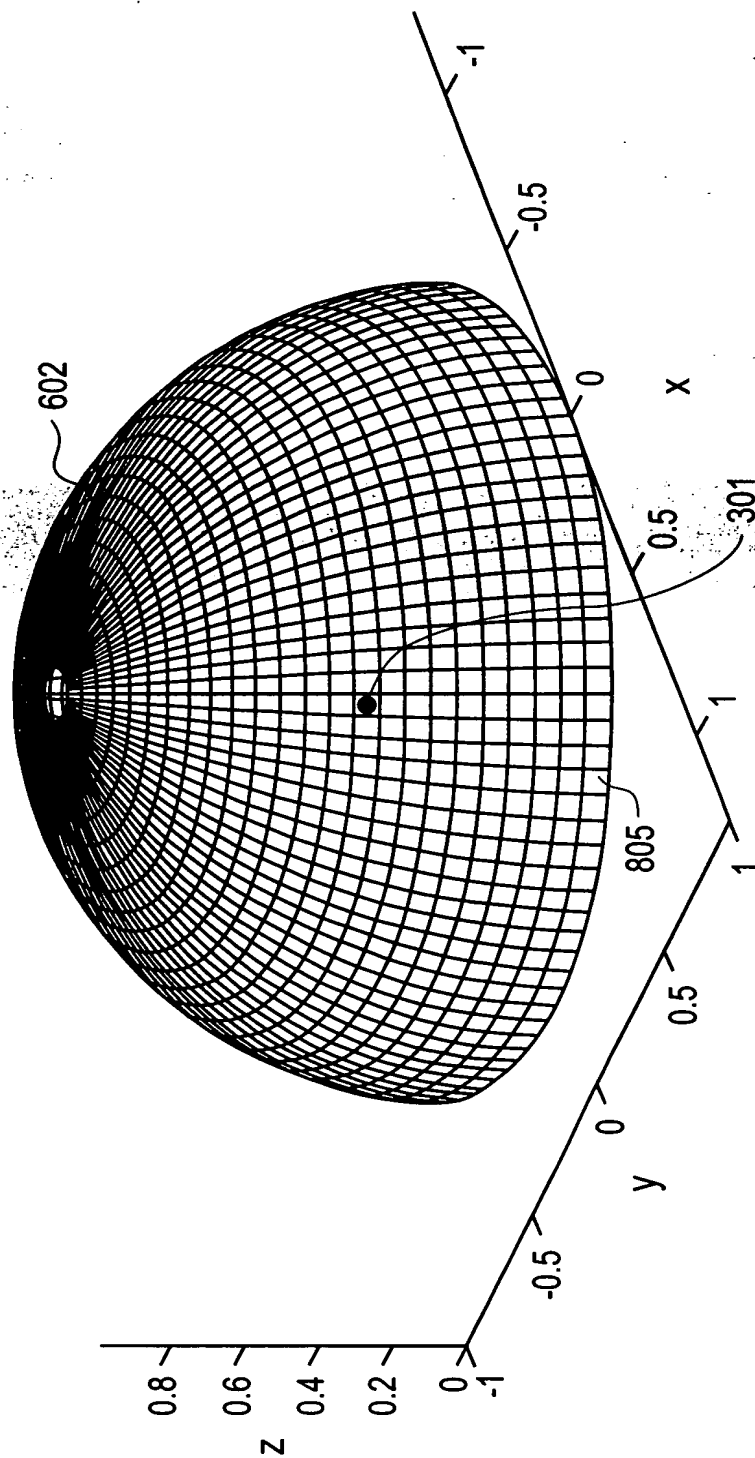


FIG. 8

